AIS: 149/2020-21

Time: 12 months
DLP: 36 months

Original / Duplicate / Triplicate SBR.No

CONTRACT CERTIFICATE

(For Other Works) Date.....20.....

No. First and Part bill
Division : RR Nagar Division Sub-Division : Yashwanthapura -Sub Division
Estimate Cost (Rs.) :-1100.00 Lakhs

Bill Received No .....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No: Head of Account : P- 3744- CM D.R. No:

Name of Work (as per sanctioned estimate): Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10) ANNX. 2. Sl.No. 1943

Job Code:- 017-20-000008

Name of Contractor and Full Address:. C. T. Raju, Vijayanagara, Bangalore

Reference to Agreement No /Wo No: EE/RRND/No.No/0000 83 Dt:- 14-09-2020

Certified that the measurements were taken by me on 23/10/2020, 29/12/2020, 4/2/2021, 20/2/2021 and recorded of Pages No 598030-035
Of measurement Book No :5981 and that the work is satisfactorily executed.
21-22

Signature of Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 20.02.2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment Sub-Division Officer

1) Total value of work done or supplies made as per account within	9631747	Total
2) Deduct amount to be held in reserve being.....percent Rs.....	4232000	F&D
3) " Balance	963220	IT
4) Deduct Payment :	963220	CGST
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....-	963220	SGST
Amount adjusted towards cash advance recovery of	963220	LWF
b) Payments cost store or other materials supplied.	173600	CP
Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash	4667	CBF
5) Balance being unpaid value of work done held in reserve	9575542	Total
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments	75056200	Chq
7) Net amount due to or from contractor Unadjusted items	9631747	Total
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied		

Contractor's Signature

Received Rs... .....(in works)
.....

By Cash and by adjustment of Payment as per memorandum.

Witnesses:
1.
2.

Dated..... **Signature of Contractor**

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Initials of Officer Making Payment

(For use in the Office)

Admitted Rs. 9631747.00
Cheque Rs. 75056200.00
Seven Crore fifty lakh fifty five thousand two hundred and
Adjustment Rs 9575547.00

Executive Engineer

Case Accounts Superintendent Exective Engineer

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SLNo	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Remarks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3)Complete as per the direction of Engineer in charge with all lead and lift	Sqm	16567.88	110.00	0.00	0.00	12525.19	110.00	1377771.00	12525.19	1377771.00	
2	Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification Complete as per the direction of Engineer in charge with all lead and lift	Cum	9194.29	230.00	0.00	0.00	8821.72	230.00	2028996.00	8821.72	2028996.00	
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift	Cum	21.73	4450.00	0.00	0.00	21.73	4450.00	96681.00	21.73	96681.00	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.-do- wall and bottom thickness 15cm Complete as per the direction of Engineer in charge with all lead and lift	Cum	61.56	7000.00	0.00	0.00	61.56	7000.00	430899.00	61.56	430899.00	
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. Complete as per the direction of Engineer in charge with all lead and lift	Tn	4.92	72300.00	0.00	0.00	4.92	72300.00	356046.00	4.92	356046.00	
6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.-do with solid concrete blocks of size 400*200*200 mm Complete as per the direction of Engineer in charge with all lead and lift	Sqm	4879.20	950.00	0.00	0.00	4879.20	950.00	4635240.00	4879.20	4635240.00	
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications.–do – cement mortar 1:3Complete as per the direction of Engineer in charge with all lead and lift	Sqm	19289.40	140.00	0.00	0.00	19289.40	140.00	2700516.00	19289.40	2700516.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Remarks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping including cost of all materials, labour, HOM curing Complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	964.47	5550.00	0.00	0.00	964.47	5550.00	5352809.00	964.47	5352809.00	
9	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.Complete as per the direction of Engineer in charge with all lead and lift	Sqm	5522.63	960.00	0.00	0.00	5522.63	960.00	5301720.00	5522.63	5301720.00	
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications .Complete as per the direction of Engineer in charge with all lead and lift	Sqm	5522.63	950.00	0.00	0.00	5522.63	950.00	5246494.00	5522.63	5246494.00	
11	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) Complete as per the direction of Engineer in charge with all lead and lift	Sqm	25771.20	60.00	0.00	0.00	25771.20	60.00	1546272.00	25771.20	1546272.00	
12	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.60 x 0.25)Data rate	Sqm	120.70	5400.00	0.00	0.00	120.70	5400.00	651780.00	120.70	651780.00	
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	M	13965.70	100.00	0.00	0.00	10670.92	100.00	1067092.00	10670.92	1067092.00	
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plattering and finishing cutting etc., complete. Complete as per the direction of Engineer in charge with all lead and lift	No's	13301.00	460.00	0.00	0.00	13301.00	460.00	6118460.00	13301.00	6118460.00	
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	7980.40	84.00	0.00	0.00	7596.36	84.00	638094.00	7596.36	638094.00	
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	350.76	450.00	0.00	0.00	350.09	450.00	157541.00	350.09	157541.00	
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	3734.28	84.00	0.00	0.00	3527.34	84.00	296297.00	3527.34	296297.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	1691.76	1990.00	0.00	0.00	1588.63	1990.00	3161366.00	1588.63	3161366.00	
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	2056.20	2150.00	0.00	0.00	1899.09	2150.00	4083037.00	1899.09	4083037.00	
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	8940.00	28.00	0.00	0.00	8256.90	28.00	231193.00	8256.90	231193.00	
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	49378.90	5.00	0.00	0.00	42585.09	5.00	212925.00	42585.09	212925.00	
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.Complete as per the direction of Engineer in charge with all lead and lift	Sqm	107697.80	12.00	0.00	0.00	93427.08	12.00	1121125.00	93427.08	1121125.00	
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift	Cum	2915.95	7000.00	0.00	0.00	2542.10	7000.00	17794697.00	2542.10	17794697.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. -using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift	Cum	2332.76	8000.00	0.00	0.00	2033.68	8000.00	16269437.00	2033.68	16269437.00	
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	3897.75	545.00	0.00	0.00	0.00	545.00	0.00	0.00	0.00	
26	Road markers / Road stud Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift	No's	6929.00	400.00	0.00	0.00	0.00	400.00	0.00	0.00	0.00	
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. Complete as per the direction of Engineer in charge with all lead and lift	Cum	350.76	4600.00	0.00	0.00	350.09	4600.00	1610419.00	350.09	1610419.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel,laying and fixing of 125 micron thick polythene film, wedges, steelplates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. Complete as per the direction of Engineer in charge with all lead and lift	Cum	400.00	5002.00	0.00	0.00	400.00	5002.00	2000800.00	400.00	2000800.00	
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	2000.00	72.02	0.00	0.00	2000.00	72.02	144040.00	2000.00	144040.00	
								Total Amount	84631747.00		84631747.00	
								GST 12%	10155809.64		10155809.64	
								Grand Total	94787556.64		94787556.64	

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No departmental issues are made to the contractor

Contractor Representative

Assistant Engineer
Ward No 17

SAPIENCE CONSULTANTS

Consultant Representative

Asst.Executive Engineer
Yashwanthapura Sub Division

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